

CLAIMS LISTING

1. (original) A method for suppressing an explosion in a fuel tank, comprising:
installing into the tank a reticulated polyurethane foam having a density less than 1.0 pounds per cubic foot [16 kg/m³].
2. (original) The method of claim 1, wherein the polyurethane foam has a density of from 0.6 to 0.9 pounds per cubic foot [9.6 to 14.4 kg/m³].
3. (original) The method of claim 1, wherein the polyurethane foam has a volume electrical resistivity of less than 10¹² ohm-cm at 70°F [21.1°C].
4. (original) The method of claim 1, wherein the polyurethane foam is reticulated by thermal reticulation.
5. (original) The method of claim 1, wherein the tank has an inner volume and the foam fills from 50 to 90% of the inner volume of the tank.
6. (original) The method of claim 1, wherein the fuel tank is an aircraft fuel tank.
7. (withdrawn) A three dimensional structure for use as an explosion suppressing material in a fuel tank,
comprising:
a reticulated polyurethane foam prepared by (i) reacting at least one polyester or polyether polyol or a mixture of such polyols and at least one isocyanate compound under foaming conditions to produce a polyurethane foam having a density less than 1.0 pounds per cubic foot [16 kg/m³], and (ii) reticulating said polyurethane foam.

8. (withdrawn) The structure of claim 7, wherein the polyurethane foam has a density of from 0.6 to 0.9 pounds per cubic foot [9.6 to 14.4 kg/m³].

9. (withdrawn) The structure of claim 7, wherein one or more antistatic agents are added when the polyurethane foam is formed, and the polyurethane foam has a volume electrical resistivity of less than 10¹² ohm-cm at 70°F [21.1°C].

10. (withdrawn) The structure of claim 7, wherein the polyurethane foam is reticulated by thermal reticulation.

11. (withdrawn) The structure of claim 7, wherein the polyurethane foam is formed under vacuum foaming conditions.